

IS&R	L1	495	(264/572).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/05 12:58
IS&R	L2	1683	(264/40.1).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/05 12:58
IS&R	L3	343	(264/40.4).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/05 12:58
BRS	L4	8	pearson-terr\$.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/05 13:01
BRS	L6	54	1 and (overflow or expulsion or expell\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/05
13:12					
BRS	L7	19	1 and Spill\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/05 13:12
IS&R	L8	8	((("6019935") or ("5837186") or ("5824261") or ("5788917") or ("5762861") or ("5759459") or ("5607640") or ("6024911"))).PN.	USPAT	2003/06/05 13:17
BRS	L9	7	("4101617"   "5069859"   "5127814"   "5252287"   "5262105"   "5584470"   "5869105").PN.	USPAT	2003/06/05
13:15					
BRS	L10	1	6024911.URPN.	USPAT	2003/06/05 13:15
BRS	L11	6	("4106887"   "5118455"   "5135703"   "5204050"   "5612067"   "5759479").PN.	USPAT	2003/06/05 13:15
BRS	L12	0	6019935.URPN.	USPAT	2003/06/05 13:15
BRS	L13	6	("3873656"   "5069858"   "5204050"   "5423667"   "5607640"   "5612067").PN.	USPAT	2003/06/05 13:15
BRS	L14	1	5837186.URPN.	USPAT	2003/06/05 13:15
BRS	L15	6	("5078949"   "5090886"   "5204050"   "5423667"   "5484278"   "5612067").PN.	USPAT	2003/06/05 13:15
BRS	L16	16	5612067.URPN.	USPAT	2003/06/05 13:15
BRS	L17	15	("3828780"   "5076778"   "5204050"   "5225141"   "5256047"   "5277866"   "5324189"   "5354518"   "5384444"   "5389314"   "5401459"   "5482669"   "5501120"   "5620639"   "5639417").PN.	USPAT	2003/06/05 13:16
BRS	L18	1	5788917.URPN.	USPAT	2003/06/05 13:16
BRS	L19	3	("5098637"   "5423667"   "5612067").PN.	USPAT	2003/06/05 13:16
BRS	L20	2	5762861.URPN.	USPAT	2003/06/05 13:16
BRS	L21	1	"5607640".PN.	USPAT	2003/06/05 13:16
BRS	L22	12	5607640.URPN.	USPAT	2003/06/05 13:16
BRS	L23	8	("2331688"   "3044118"   "3135640"   "4101617"   "4136220"   "4740150"   "5069859"   "5098637").PN.	USPAT	2003/06/05 13:16
BRS	L24	12	5607640.URPN.	USPAT	2003/06/05 13:16
BRS	L25	62	10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24	USPAT	2003/06/05 13:17
BRS	L26	41	25 not 6	USPAT	2003/06/05 13:17
BRS	L27	36	26 not 7	USPAT	2003/06/05 13:22
BRS	L34	7	("4990083"   "5044924"   "5262105"   "5620639"   "5772933"   "5773109"   "5788917").PN.	USPAT	2003/06/05
13:21					
BRS	L35	0	6159415.URPN.	USPAT	2003/06/05 13:21
BRS	L36	6	("3694424"   "5090886"   "5098637"   "5354523"   "5607640"   "5612067").PN.	USPAT	2003/06/05 13:21
BRS	L37	2	5798080.URPN.	USPAT	2003/06/05 13:21
BRS	L38	15	34 or 35 or 36 or 37	USPAT	2003/06/05 13:24
BRS	L39	95	38 or 25 or 6 or 7	USPAT	2003/06/05 13:24
BRS	L41	107	38 or 25 or 6 or 7	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/05 13:24
BRS	L42	11	41 and (cone or conical)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/05 13:27
BRS	L43	3	41 and conically	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/05 13:28
BRS	L44	58	1 and ((conical or conically or conic or cone) and (inlet or inject\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/05 13:28

US 6159415 A	USPAT	20001212	34	Extended shaft and a mold of the extended shaft and an apparatus for molding + extended shaft and a method for molding the extended shaft	264/513 264/327; 264/40.6; 264/519; 264/572
Tanada, Akinori					
US 5798080 A	USPAT	19980825	9	Method of producing a hollow resin body and apparatus therefor	
264/572 425/130		Ogura, Mitsuo et al.			
US 20020158361 A1	US-PGPUB	20021031	9	Process and apparatus for injection molding of molded parts	
having at least one cavity		264/40.3 264/572; 425/130; 425/567		Wulfrath, Marc	
US 20020117783 A1	US-PGPUB	20020829	8	Process for pressure assisted molding of hollow articles	
264/572 425/130; 425/564		Thomas, Ronald			
US 20010017433 A1	US-PGPUB	20010830	8	Method and apparatus for injection molding parts which have a	
least one cavity		264/572		Eckardt, Helmut	
US 6386852 B1	USPAT	20020514	9	Gas assist needle in a molding machine	425/130 264/572; 425/812
Berdan, Karl R.					
US 6371747 B1	USPAT	20020416	9	Die molding apparatus for resin article	425/130 264/572;
425/572		Niina, Yoshinari et al.			
US 6042356 A	USPAT	20000328	7	Mold for use in a gas-assisted injection molding system and ejector pin subsystem	
including a blocking pin assembly for use therein		425/130 264/572; 425/444; 425/556		Murphy, John F.	
US 6019935 A	USPAT	20000201	19	Method for injection molding of molded parts of thermoplastic material	
264/572		Eckardt, Helmut et al.			
US 5928677 A	USPAT	19990727	6	Apparatus for producing hollow plastic objects with pressurized gas injection aft	
overflow cut-off		425/130 264/328.12; 264/328.16; 264/572; 425/546; 425/547		Gosdin, Michael	
US 5837186 A	USPAT	19981117	6	Process of and an apparatus for injection molding hollow-blown plastic bodies	
264/572		Gotterbauer, Klaus			
US 5824261 A	USPAT	19981020	6	Multi-venting molding apparatus	264/572 425/130
Karl					Berd
US 5788917 A	USPAT	19980804	7	Method of making a plastic article	264/572
Herlache, Russell Lee					
US 5762861 A	USPAT	19980609	6	Method and apparatus for producing hollow plastic objects with pressurized gas	
injection after overflow cut-off		264/572 425/130		Gosdin, Michael	
US 5759459 A	USPAT	19980602	6	Method for producing plastic objects	264/40.1 264/572; 425/130
Eckardt, Helmut et al.					
US 5612067 A	USPAT	19970318	14	Molding apparatus for producing synthetic resin molded product	
425/533 264/328.12; 264/328.13; 264/572; 425/546; 425/812		Kurihara, Tsuneo et al.			
US 5607640 A	USPAT	19970304	13	Method for injection molding of plastic article	264/572 425/130
Hendry, James W.					
US 5484278 A	USPAT	199601165		Blow-out vent valve	425/533 264/161; 264/328.12; 264/334; 264/572; 425/21
425/444; 425/546; 425/554; 425/556; 425/806				Berdan, Karl	
US 5262105 A	USPAT	19931116	23	Method for molding hollow shaped bodies	264/85 264/209.1; 264/259;
264/328.12; 264/328.13; 264/328.7; 264/328.8; 264/513; 264/516; 264/572		Komiyama, Chiaki et al.			
US 6372177 B1	USPAT	20020416	7	Method and device for manufacturing a hollow plastic component	
264/572 264/328.7; 264/500; 425/130		Hildesson, Mikael et al.			
US 6042355 A	USPAT	20000328	6	Mold for use in a gas-assisted injection molding system and ejector pin subsystem	
including a split pin for use therein		425/130 264/572; 425/444; 425/546; 425/556; 425/806; 425/812		Murphy, John	
et al.					
US 6024911 A	USPAT	20000215	8	Method of producing a molded article having a hollow rim	264/572
425/130		Brauner, Manfred			
US 5885518 A	USPAT	19990323	9	Method for injection molding utilizing a variable volume spill area within an article	
defining mold cavity and article produced thereby		264/572		Hendry, James W.	
US 5098637 A	USPAT	19920324	9	Process for injection molding and hollow plastic article produced thereby	
264/572 264/328.12; 264/328.13; 264/328.7; 264/328.8		Hendry, James W.			
US 5204050 A	USPAT	19930420	12	Gas assisted injection molding	264/504 264/572; 425/812
Loren, Norman S.					
US 5558824 A	USPAT	19960924	8	Gas-assisted plastics injection molding with controlled melt flow and method of	
controlling melt flow		264/40.3 264/572; 264/85; 425/130; 425/149; 425/170		Shah, Suresh D. et al.	
US 5545027 A	USPAT	19960813	15	Gas-feeding device for injection molding	425/546 264/328.12;
264/572; 425/130; 425/533; 425/812		Kaneishi, Akimasa et al.			
US 5252287 A	USPAT	1993101211		Method of injection molding hollow articles	264/572 264/328.12; 264/328.1
264/328.8; 264/37.14		Fries, Bernd			